

Department of Energy

§ 434.100

- 434.402 Building envelope assemblies and materials.
- 434.403 Building mechanical systems and equipment.
- 434.404 Building service systems and equipment.

Subpart E—Building Energy Cost Compliance Alternative

- 434.501 General.
- 434.502 Determination of the annual energy cost budget.
- 434.503 Prototype building procedure.
- 434.504 Use of the prototype building to determine the energy cost budget.
- 434.505 Reference building method.
- 434.506 Use of the reference building to determine the energy cost budget.
- 434.507 Calculation procedure and simulation tool.
- 434.508 Determination of the design energy consumption and design energy cost.
- 434.509 Compliance.
- 434.510 Standard calculation procedure.
- 434.511 Orientation and shape.
- 434.512 Internal loads.
- 434.513 Occupancy.
- 434.514 Lighting.
- 434.515 Receptacles.
- 434.516 Building exterior envelope.
- 434.517 HVAC systems and equipment.
- 434.518 Service water heating.
- 434.519 Controls.
- 434.520 Speculative buildings.
- 434.521 The simulation tool.

Subpart F—Building Energy Compliance Alternative

- 434.601 General.
- 434.602 Determination of the annual energy budget.
- 434.603 Determination of the design energy use.
- 434.604 Compliance.
- 434.605 Standard calculation procedure.
- 434.606 Simulation tool.
- 434.607 Life cycle cost analysis criteria.

Subpart G—Reference Standards

- 434.701 General.

AUTHORITY: 42 U.S.C. 6831–6832, 6834–6836; 42 U.S.C. 8253–54; 42 U.S.C. 7101, *et seq.*

SOURCE: 65 FR 60012, Oct. 6, 2000, unless otherwise noted.

§ 434.99 Explanation of numbering system for codes.

(a) For purposes of this part, a derivative of two different numbering systems will be used.

(1) For the purpose of designating a section, the system employed in the

Code of Federal Regulations (CFR) will be employed. The number “434” which signifies part 434 in chapter II of Title 10, Code of Federal Regulations, is used as a prefix for all section headings. The suffix is a two or three digit section number. For example the lighting section of the standards is designated § 434.401.

(2) Within each section, a numbering system common to many national voluntary consensus standards is used. A decimal system is used to denote paragraphs and subparagraphs within a section. For example, in § 434.401, “401.2.1” refers to subsection 401, paragraph 2, subparagraph 1.

(b) The hybrid numbering system is used for two purposes:

(1) The use of the Code of Federal Regulations’ numbering system allows the researcher using the CFR easy access to the standards.

(2) The use of the second system allows the builder, designer, architect or engineer easy access because they are familiar to this system numbering. This system was chosen because of its commonality among the building industry.

Subpart A—Administration and Enforcement—General

§ 434.100 Purpose.

The provisions of this part provide minimum standards for energy efficiency for the design of new Federal commercial and multi-family high rise residential buildings, for which design for construction began before January 3, 2007. The performance standards are designed to achieve the maximum practicable improvements in energy efficiency and increases in the use of non-depletable sources of energy. This rule is based upon the ASHRAE/IESNA Standard 90.1–1989 and addenda b, c, d, e, f, g, and i. (This document is available from the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., 1791 Tullie Circle NE, Atlanta, GA.) It is not incorporated by reference in this document, but is mentioned for informational purposes only.

[71 FR 70283, Dec. 4, 2006]